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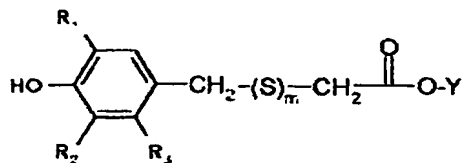
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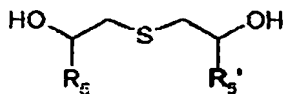
(54) Title: LIQUID PHENOLIC SULPHUR-CONTAINING ANTIOXIDANTS



(I)

R₄-OH

(II)



(III)

(57) Abstract: The invention relates to liquid sulphur-containing antioxidants obtainable by reacting at least compound of formula (I) with at least one compound of formula (II) and at least one compound of formula (III) where the variables are as defined in the claims. The invention further relates to compositions comprising them. The novel lubricant compositions comprise the reaction product of a selected group of 5-tert-butyl-4-hydroxy-3-methyl(or tert-butyl)phenyl substituted carboxylic acid esters with thiodiethylene glycol and a mono-hydroxy alcohol with a chain length higher than 4 C-atoms. The novel lubricant compositions are highly resistant to oxidative degradation and are capable of reducing negative effects of deposits, such as black sludge, in motor combustion engines, particularly spark ignition internal combustion engines.

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